

OREGON

CONSULTANT

EXAMINATION OUTLINE

To successfully complete this examination, the applicant will need to be familiar with the topics identified in this outline.

It is advisable to bring a small, hand held calculator to the exam session to assist in performing calculations. This exam has 200 questions. A score of 70% is needed to pass the exam. **Government issued photo identification (such as a driver's license) will be required when you check in for testing.**

OREGON DEPARTMENT OF AGRICULTURE
AGRICULTURE HERBICIDE
EXAMINATION OUTLINE

1. Pesticide Laws and Regulations
 - a. Agencies involved and areas of responsibility
 1. Federal agencies
 2. State agencies
 - b. Licensing types and authorized activities
 1. Private pesticide applicator
 2. Public pesticide applicator
 3. Commercial pesticide applicator
 4. Commercial pesticide operator
 5. Pesticide consultant
 - c. Certification
 1. Definition
 2. Period of time certification is valid
 - (a). Private pesticide applicator
 - (b). Public pesticide applicator
 - (c). Commercial pesticide applicator
 - (d). Commercial pesticide operator
 - d. Licensing
 1. Definition
 2. Period of time license is valid
 - (a). Private pesticide applicator
 - (b). Public pesticide applicator
 - (c). Commercial pesticide applicator
 - (d). Commercial pesticide operator
 - (e). Pesticide consultant
 - e. Pesticide registrations
 1. Federal registrations
 2. State registrations
 - (a). Special Local Need (SLN) – [sec. 24(c)]
 - (b). Emergency Exemption – [sec. 18]
2. Toxicology and Worker Safety
 - a. LD 50 values and pesticide toxicity
 - b. Safety equipment
 1. Respirators

2. Gloves
 3. Boots
 4. Minimum clothing requirement
 - c. Storage and transportation
 - d. Spills and cleanup
 - e. First aid for pesticide poisoning
3. Environmental Concerns
 - a. Pesticide disposal
 - b. Groundwater contamination
 - c. Endangered species and threatened species
 - d. Methods of decreasing pesticide drift
4. Pesticide Characteristics
 - a. General vs. Restricted Use
 - b. Terminology
 - c. Formulations
 - d. Adjuvants
 - e. Specific pesticides
 1. Mode of action
 2. Timing
 3. Effects on pest
5. Pest Control Techniques/Strategies
 - a. Integrated Pest Management (IPM)
 - b. Pest resistance to pesticides
6. Equipment/Application Techniques
 - a. Nozzle types
 - b. Pumps and pump maintenance
7. Calculations
 - a. Determination of Acreage

- b. Amount of active ingredient (AI) per acre
- c. Amount of total mixture applied
- d. Amount of water needed for mixing

8. Label Interpretation

a. Signal Words

- 1. Danger
- 2. Warning
- 3. Caution

b. Product Names

- 1. Trade name
- 2. Common name
- 3. Chemical name

c. Formulations

- 1. Wettable powder (WP)
- 2. Emulsifiable concentrate (EC)
- 3. Granular (G)
- 4. Solution (S)

d. Precautionary Statements

- 1. Protective clothing and equipment
- 2. Environmental hazards

e. Legal Interpretation of Label Directions

- 1. Pests controlled
- 2. Sites of application
- 3. Dilution rate
- 4. Application techniques

9. Sprayer Calibration

a. Definition

b. Adjustment techniques

10. Pest Characteristics

a. Insects/Mites

b. Diseases

c. Weeds (life cycles)

- 1. Annual
- 2. Biennial

4. Perennial